



#1215-20-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Charles B. Greenberg et al.

Serial No. 10/075,316

Filed: February 14, 2002

For: PHOTOCATALYTICALLY-ACTIVATED
SELF-CLEANING ARTICLE AND
METHOD OF MAKING SAME

PATENT APPLICATION

Group Art Unit: 1731

Examiner: S. Vincent

Atty Docket No. 1240D2/RC

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
Alexandria, VA 22313-1450


Sir:

The documents listed on the attached Form PTO-1449 are brought to the attention of the United States Patent and Trademark Office with respect to the application identified above in accordance with the provisions of 37 CFR 1.56, 1.97, and 1.98. Copies of the documents listed are enclosed herewith.

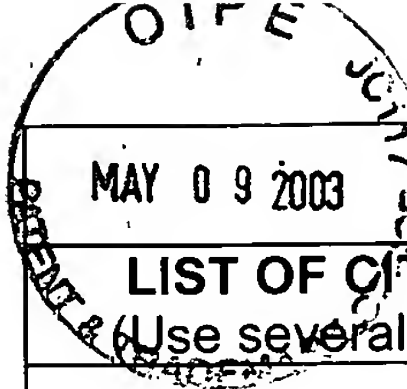
In addition, counsel for Pilkington P.L.C. has notified Applicants' counsel that Pilkington P.L.C. has copied the claims of PPG's U.S. Patent No. 6,413,581 B1, in an effort to provoke an interference. The instant application claims priority from U.S. Patent No. 6,413,581B1. Applicants believe, but cannot confirm, that the application containing the copied claims is U.S. Application No. 09/662,181, which is believed to be related to U.S. Patent No. 6,238,738 B1 cited in the Supplemental Information Disclosure Statement filed October 17, 2002.

Respectfully submitted,

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Attorney of Record


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Pittsburgh, Pennsylvania
May 9, 2003

		Atty. Docket No. 1240D2/RC	Serial No. 10/075,316
LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)		Applicant Charles B. Greenberg et al.	
		Filing Date February 14, 2002	Group 1731

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	3,630,796	12/71	Yokozawa et al.			
	AB	4,017,661	4/77	Gillery			
	AC	4,238,276	12/80	Kinugawa et al.			
	AD	4,485,146	11/84	Mizuhashi et al.			
	AE	4,544,470	10/85	Hetrick			
	AF	4,888,038	12/89	Herrington et al.			
	AG	4,892,712	1/90	Robertson et al.			
	AH	5,028,568	7/91	Anderson et al.			
	AI	5,032,241	7/91	Robertson et al.			
	AJ	5,035,784	6/91	Anderson et al.			
	AK	5,304,394	4/94	Sauvinet et al.			

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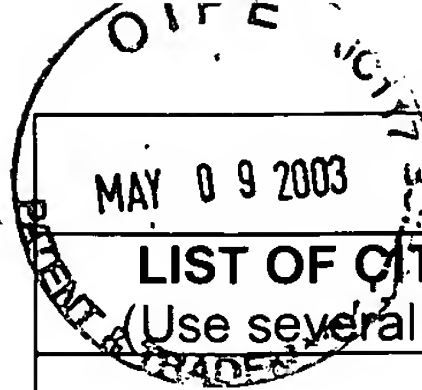
		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	0 544 577	6/93	EP (English abstract)				X
	AM	7-99425	3/95	Japan			X	
	AN	7-117600	4/95	Japan			X	
	AO	7-182019	6/95	Japan			X	
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	AR	D. R. Uhlmann, "Glass: Science and Technology", Vol. 2, Processing I, pages 253-284 (1984)
	AS	GlassFAQs, <i>Glass FACTS.com</i> , pg 1-5
	AT	JP 88-158890, Abstract Only, Derwent JP 860243762, "Glass Article Difficult Soil Coating Thin Titanium Dioxide Coating Contain Platinum@Rhodium Palladium@.

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AE	5,478,783	12/95	Higby et al.			
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							Yes	No
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	AM	96/13327	5/96	WIPO (6,387,844)				X
	AN	96/29375	9/96	WIPO (English abstract)				X
	AO	9-173783	7/97	Japan (English abstract)				X
	AP	9-227157	9/97	Japan (English abstract)				X
	AQ	9-227158	9/97	Japan (English abstract)				X

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AR	Chemical Abstracts, 116 89812a, Sokolov, et al. "Selective Activation of Smooth Surfaces of Glass and Ceramic Articles Before Chemical Metalization," Abstract only
AS	K. Hashimoto et al., TiO ₂ Coated Glass with Self-Cleaning Function, Kagaku To Kogyo (Chemistry and Industry), vol. 48, No. 10, p. 1256-1258 (1995)
AT	04/03/00 Letter From Mrs. Colette Ward, Patent Litigation Enquiries, British Library

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	AG	5,961,843	10/99	Hayakawa et al.			
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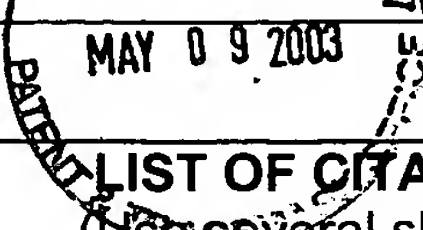
		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	9-235140	9/97	Japan (English abstract)				X
	AM	98/06510	2/98	WIPO				
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	AO	2 320 503	6/98	Great Britain				
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	AS	H. H. Dunken, Glass Surfaces, Treatise on Materials Science and Technology, Vo. 22, pp. 1-75, 1982
	AT	The Japan Times, May 21, 2002, Tuesday, Race for Technology, pp. 2-5, from LexisNexis

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	AH	4,898,789	2/90	Finley			
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	AN	01/72652	10/01	WIPO				
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	AP	0 650 938	5/95	EP				
	AQ	2 031 756	4/80	Great Britain				

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	AR	Yusumori et al., Preparation of TiO ₂ Fine Particles Supported on Silica Gel as Photocatalyst, Journal of the Ceramic Society of Japan, 102 (1994) pp. 702-707
	AS	Wold; Photocatalytic Properties of TiO ₂ , Chem. Mater., 1993, 5, pp. 280-283
	AT	Bach et al.; Kristallstruktur und Optische Eigenschaften von Dunnen Organogenen Titanoxyd-Schichten Auf Glasunterlagen [Crystal Structure and Optical Properties of Thin Organogenic Titanium Oxide Layers on Glass Substrates], Thin Solid Films 1 (1967/68), pp. 255-276,

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AR	Meng et al.; The Effect of Substrate Temperature on the Properties of Sputtered Titanium Oxide Films, Applied Surface Science 65/66 (1993) pp. 235-239
AS	Yoko et al.; Sol-Gel-Derived TiO ₂ Film Semiconductor Electrode for Photocleavage of Water, J. Electrochem Soc., vol. 138(8), Aug.1991, pp. 2279-2284
AT	Oxide Layers Deposited from Organic Solutions, H. Schroeder in Physics of Thin Films: Advances in Research and Development, pp. 105-112, vol. 5, 1969 Academic Press

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	AL	7-2548	1/95	Japan (English abstract)				X
	AM	11-512337	10/99	Japan (English abstract)				X
	AN	9-173775	7/97	Japan (English abstract)				X
	AO	10-146530	6/98	Japan (English abstract)				X
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	AQ							

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